Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Wednesday 20 Dec 2023 until 23:59 on Thursday 21 Dec 2023

Forecast Issued on Wednesday 20 Dec 2023 at 00:45

Confidence: High confidence for windy and unsettled conditions through the week, with particularly strong winds Thursday. Confidence in the timing and extent of rain lowering through the weekend.

Headline for Wednesday 20 Dec 2023: Cloudy with outbreaks of rain throughout the day. Rather windy.

Mountain weather hazards on Wednesday 20 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Heavy Rain	Light rain	Light rain	Light rain
Precipitation probability					
60%	60%	80%	80%	70%	60%

Forecast for Wednesday 20 Dec 2023

Weather: Outbreaks of patchy light rain across the park Wednesday morning, perhaps drier for a time around dawn. widespread low cloud and rain arrives from the west late morning. Rain may be heavy at first but easing and persistiing into the afternoon. Strong winds with gales likely at height.

Chance of cloud-free hill tops above 600m: 60%, reducing to 30% in the west and 40% in th east by late-morning.

Low cloud and visibility: Areas of cloud with bases around 500-700m at first. Cloud becoming extensive by the afternoon with bases lowering more widely to 500m, perhaps to lower slopes in the west. Some breaks to around 700m possible across the east of the park, but these will be short-lived. Visibility outside of cloud will be moderate to poor in rain and good in drier interludes.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Wednesday 20 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	29/36 W	25/34 W	33/43 W	31/41 W	29/40 W	32/44 W	32/45 W
300	22/31 W	19/28 W	26/37 W	25/36 W	23/34 W	25/37 W	25/38 W
Valley	15/31 W	13/27 W	18/37 W	17/35 W	16/33 W	18/35 W	18/36 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-3	4/-2	5/-1	5/-1	6/0	6/0	6/0
300	6/1	6/2	7/2	7/2	8/3	8/3	8/3
Valley	7/3	7/3	8/4	8/4	8/4	8/5	8/5
Freezing Level*	1100m	1200m	1500m	1500m	1600m	1700m	1700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Very strong winds, particularly at height, with gales and gusts in excess of 50mph. These winds will give difficult walking conditions with a risk of being blown off balance and severely hamper progress.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Wed 20 Dec 2023	3.6mm	13mm	13mm

Forecast for Thursday 21 Dec 2023

Weather: Mainly light rain will continue through the overnight period into Thursday morning, perhaps seeing some heavier bursts around dawn in the west. Rain and cloud clearing to the south by the afternoon with High Peak becoming drier and brighter with sunny spells and just a few showers. Cloud thickening again later, with further outbreaks of rain through the evening.

Maximum wind: Westerly 35-45 mph gusting 50-60 mph, perhaps over 75 mph in exposure. Easing a little later

Chance of cloud-free hill tops above 600m: 30% during the overnight period, increasing 800% Thursday morning. Lowering to 40% in the far south later.

Low cloud and visibility: Extensive cloud with bases 500-700m, clearing to the south during the morning. Few to scattered cloud amounts then largely above summits during the afternoon. Bases in the south lowering to around 600m again later. Visibility moderate to poor in rain otherwise good outside of cloud.

Temperature: **Valleys:** Plus 9 Celsius
At 600m: Plus 5 to 7 Celsius
Freezing level: Above summits

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